

Department of Psychology
Syllabus
BSc (Honours/ Honours with Research) in Psychology
(2026-2027)

FIRST SEMESTER
<p>PSY1104: FUNDAMENTALS OF PSYCHOLOGY-I [3 1 0 4]</p> <p>The Science of Psychology: Definition and Goals; Nature and Scope; Fields of Psychology; Learning and Conditioning: Definition of learning, Classical Conditioning; Operant Conditioning; Cognitive Learning Theory, Observational Learning, Trial and error learning theory; Memory and Forgetting: Basic processes of memory, Stages, and models of memory, types of memory, measurement of memory; Forgetting- Nature, causes and theories of forgetting, Methods for improving memory; Emotions- Definition; Physiology, Behaviour and Subjective Experience of Emotion; Theories of emotions- James-Lange, Cannon-Bard, Schachter-Singer, Lazarus; empathy and compassion; Motivation: Motivation- Nature and Types of Motivation; Theories of Motivation- Arousal theory, drive reduction theory, expectancy-value theory, incentive theory, needs hierarchy theory; Enhancing Individual Potential through Intrinsic and Extrinsic Motivation; Self-regulation; Self-enhancement.</p> <p>REFERENCES:</p> <ol style="list-style-type: none"> 1. Ciccarelli, S. K., White, J. N. & Misra, G. (2025). <i>Psychology</i> (7th ed.). Pearson Education. 2. Morgan, C. T., King, R. A., Weisz, J. R., & Schopler, J. (2025). <i>Introduction to psychology</i> (9th ed.). McGraw-Hill Companies. 3. Baron, R. A., & Misra, G. (2016). <i>Psychology</i> (5th ed.). Pearson India. 4. Martini, T. S., Coon, D., Mitterer, J. O. (2022). <i>Introduction to Psychology: Gateways to Mind and Behavior</i>. UnitedStates: Cengage Learning.
<p>PSY1105: BIOLOGY OF HUMAN BEHAVIOUR [3 1 0 4]</p> <p>Introduction to Biological Basis of Behaviour: Biopsychology; Evolution, Genetics and Experience; Evolution of the human brain; Nervous system: Structure and functions of neurons, types of neurons; Development of the brain- Maturation of the vertebrate brain. Central Nervous System, Peripheral Nervous System; Endocrine system; Neural plasticity. Biological Basis of Thirst and Hunger: Thirst: Mechanisms of water regulation- Osmotic thirst- Hypovolemic thirst and sodium-specific hunger, Hunger: Digestion and food selection Short- and long-term regulation of feeding-Brain mechanisms - eating disorders. Biological Basis of learning and memory: Localized Representations of Memory, the engram, Types of Memory, Long-term, short-term, procedural, implicit, explicit, etc, Brain structures associated with memory, Types of amnesia, Korsakoff's syndrome, Alzheimer's disease. Biology bases of five Senses of Perception: Five Senses of Perception, sensory systems and neuronal pathways, transduction and stimulus, processing in the brain Eye: Structure and Functions, Ear: Structure and Functions, Sense of Touch, Sense of Smell and Taste Somatic senses: The body senses (touch, pressure, temperature and pain), perception of body senses, Neural mechanism of perception of kinesthetic and vestibular sensations. Biology of Emotions: Physiological and neural basis of emotions, fear, anger, and aggression; Communication of emotions- Neural basis of communication of emotion.</p> <p>REFERENCES:</p> <ol style="list-style-type: none"> 1. Carlson, N. R., & Birkett, M. A. (2022). <i>Physiology of behavior</i> (13th ed.). Pearson. 2. Bear, M. F., Connors, B. W., & Paradiso, M. A. (2025). <i>Neuroscience: Exploring the brain</i> (4th ed.). Wolters Kluwer. 3. Breedlove, S. M., & Watson, N. V., (2013). <i>Biological psychology: An introduction to behavioral, cognitive, and clinical neuroscience</i> (7th ed.). Sinauer Associates. 4. Kalat, J. W. (2022). <i>Biological psychology</i> (13th ed.). Cengage Learning. 5. Kandel, E. R., Koester, J. D., Mack, S. H., & Siegelbaum, S. A. (2021). <i>Principles of neural science</i> (6th ed.). McGraw-Hill. 6. Pinel, J. P. J., & Barnes, S. (2023). <i>Biopsychology</i> (11th ed.). Pearson.
<p>PSY1131: MEASUREMENT OF PSYCHOLOGICAL ATTRIBUTES [0 0 4 2]</p> <p>Any five relevant practicals related to the theory courses being taught in the semester.</p>
SECOND SEMESTER
<p>PSY1204: FUNDAMENTALS OF PSYCHOLOGY-II [3 1 0 4]</p> <p>Sensation and Perception: Sensory processes -five senses, Sensory thresholds, Nature and meaning of perception, Principles of perceptual organization, figure and ground distinction, form and movement perception, constancies and illusions; Language development: Stages of language development; theories and approaches of language acquisition- environmentalist, nativist and social interactionist; Whorf versus</p>

Chomsky approaches to language development; **Thinking, Reasoning, and Decision Making:** Nature of thinking; Mental image and concept formation; Types of thinking- Divergent and Convergent thinking; Inductive and deductive reasoning; Decision-making- Factors influencing decision making; Heuristics in decision making- representativeness, availability, anchoring, and adjustment. **Problem solving and creativity:** Meaning and nature of problem solving, Approaches to problem solving- Gestalt approach, information processing approach; insight and analogy; Obstacles in problem-solving; Creativity- Nature and definition, stages and process of creativity, obstacles and facilitators of creativity; Models of creativity-The Tripartite Thinking Model of Creativity (TTMC) and the Four Ps model (Rhodes), Osborn's 7-steps Model. **Indian Psychology:** Evolution of Indian Psychology, Differences between Indian and Western Psychology, Relevance of Indian Models of Psychology.

REFERENCES:

1. Ciccarelli, S. K., White, J. N. & Misra, G. (2025). *Psychology* (7th ed.). Pearson Education.
2. Morgan, C. T., King, R. A., Weisz, J. R., & Schopler, J. (2025). *Introduction to psychology* (9th ed.). McGraw-Hill Companies.
3. Baron, R. A., & Misra, G. (2016). *Psychology* (5th ed.). Pearson India.
4. Martini, T. S., Coon, D., Mitterer, J. O. (2022). *Introduction to Psychology: Gateways to Mind and Behavior*. UnitedStates: Cengage Learning.

PSY1205: SOCIAL PSYCHOLOGY [3 1 0 4]

Introduction: Nature and scope of social psychology; Overview of the history of social psychology (including development in India); Relationship with sociology and anthropology; **Understanding and evaluating the social world:** Social cognition, Social perception, understanding self in comparison to others; **Attitudes:** Nature and formation of Attitudes, Attitude-behaviour link; Strategies for attitude change; **Social interaction and Social influence:** Prejudices, stereotypes, discrimination, conformity, cooperation obedience, conflict; **Group behavior and leadership styles:** Nature, formation and functions of groups: Social loafing, social facilitation, and groupthink; Characteristics of effective groups and Leadership styles- Authoritative, democratic and authentic leadership.

REFERENCES:

1. Aronson, E., Wilson, T. D., & Sommers, S. R. (2020). *Social psychology* (10th Global ed.). Pearson.
2. Baron, R. A., Branscombe, N. R., & Kapur, P. (2020). *Social psychology*. (13th ed.), New Delhi: Pearson Education India.
3. Crisp, R. J., & Turner, R. N. (2023). *Essential social psychology*, (3rd ed.). New Delhi SAGE.
4. Hodgetts, D, et al. (2020). *Social psychology in everyday life*. (2nd ed.) IBP Books.
5. Mangal, S., & Mangal, S. K. (2022). *Essentials of social psychology: An Indian perspective*. Routledge.

PSY1204: PSYCHOLOGY OF INDIVIDUAL DIFFERENCES [3104]

Differential Psychology: Definition, Meaning and Nature of individual difference; Factors contributing to individual differences; Role of heredity vs environment in personality and intelligence; **Personality:** Definition and Nature; Approaches to understand Personality- Psychodynamic, Behavioural, Cognitive, Humanistic, Trait and Type, approach; Indian Perspective; **Intelligence:** Definition and nature of Intelligence; Theories of Intelligence- Information Processing & Cognitive Theories, psychometric theories; Indian Perspectives; **Emotional and spiritual intelligence:** Concept, Models, and Factors Contributing to Emotional Intelligence; Spiritual Intelligence-Definition, meaning, components and theories of spiritual intelligence; characteristics of spiritually intelligent people, developing SQ; **Assessment of Individual differences:** Personality tests-Self-report inventories, projective tests, and behavioural assessment of personality, Intelligence tests- individual and group tests, verbal and non-verbal tests, performance tests, speed and power tests.

References:

1. Chamorro-Premuzic, T. (2012). *Personality and individual differences* (2nd ed.). Wiley-Blackwell.
2. Ciccarelli, S. K., White, J. N. & Misra, G. (2025). *Psychology* (7th ed.). Pearson Education.
3. Cooper, C. (2020). *Individual Differences and Personality*. (4th ed.). Routledge.
4. Goleman, D. (2021). *Emotional intelligence: Why it can matter more than IQ* (10th anniversary ed.). Bloomsbury India.
5. Haier, R.J., Colom, R, & Hunt, E. (2023). *Science of Human Intelligence*. (2nd Ed.). Cambridge University Press.
6. Miserandino, M. (2023). *Personality Psychology Foundations and Findings*. Pearson Education
7. Zohar, D., & Marshall, I. (2001). *SQ: Spiritual intelligence, the ultimate intelligence*. Bloomsbury.

PSY1231: ASSESSMENT OF PERSONALITY AND INTELLIGENCE [0 0 4 2]

Any five relevant practicals related to the theory courses being taught in the semester.

